



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

TINKU ACHARYA

Application No.: 09/823,390

Filed: March 30, 2001

For: **TWO-DIMENSIONAL PYRAMID FILTER
ARCHITECTURE**

Art Group: 2811

Examiner: To Be Determined

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s). Copies of the references cited on PTO/SB/08 are enclosed herewith.

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The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP



Farzad E. Amini, Reg. No. 42,261

Date: October 22, 2003

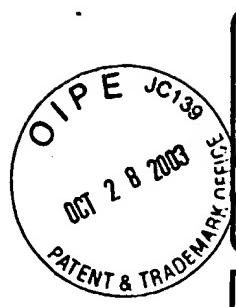
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Margaux Rodriguez

10-22-03

Date



Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/823,390
		Filing Date	March 30, 2001
		First Named Inventor	Tinku Acharya
		Art Unit	2811
		Examiner Name	To Be Determined
		Attorney Docket Number	042390.P11277
Sheet	1	of	6

U.S. PATENT DOCUMENTS

Examiner Initials*	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Cite No. ¹	Number - Kind Code ² (if known)			
	US-5,875,122	02-23-1999	Acharya	
	US-5,995,210	11-30-1999	Acharya	
	US-6,009,201	12-28-1999	Acharya	
	US-6,009,206	12-28-1999	Acharya	
	US-6,047,303	04-04-2000	Acharya	
	US-6,091,851	07-18-2000	Acharya	
	US-6,094,508	07-25-2000	Acharya, et al.	
	US-6,108,453	08-22-2000	Acharya	
	US-6,124,811	09-26-2000	Acharya, et al.	
	US-6,130,960	10-10-2000	Acharya	
	US-6,151,415	11-21-2000	Acharya, et al.	
	US-6,151,069	11-21-2000	Dunton, et al.	
	US-6,154,493	11-28-2000	Acharya, et al.	
	US-6,166,664	12-26-2000	Acharya	
	US-6,178,269 B1	01-23-2001	Acharya	
	US-6,195,026 B1	02-27-2001	Acharya	
	US-6,215,916 B1	04-10-2001	Acharya	
	US-6,215,908 B1	04-10-2001	Pazmino, et al.	
	US-6,229,578 B1	05-08-2001	Acharya, et al.	
	US-6,233,358 B1	05-15-2001	Acharya	

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FOREIGN PATENT DOCUMENTS

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Signature _____ Considered _____

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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7 of 10

Complete if Known	
Application Number	09/823,390
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First Named Inventor	Tinku Acharya
Art Unit	2811
Examiner Name	To Be Determined
Attorney Docket Number	042390.P11277

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY		
		US- 6,236,433 B1	05-27-2001	Acharya, et al.	
		US- 6,236,765 B1	05-22-2001	Acharya	
		US- 6,269,181 B1	07-31-2001	Acharya	
		US- 6,275,206 B1	08-14-2001	Tsai, et al.	
		US- 6,285,796 B1	09-04-2001	Acharya, et al.	
		US- 6,292,114 B1	09-18-2001	Tsai, et al.	
		US- 6,301,392 B1	10-09-2001	Acharya	
		US- 6,348,929 B1	02-19-2002	Acharya, et al.	
		US- 6,351,535 B1	02-26-2002	Acharya, et al.	
		US- 6,356,276 B1	03-12-2002	Acharya	
		US- 6,366,694 B1	04-02-2002	Acharya	
		US- 6,366,692 B1	04-02-2002	Acharya	
		US- 6,373,481 B1	04-16-2002	Tan, et al.	
		US- 6,377,280 B1	04-23-2002	Acharya, et al.	
		US- 6,381,357 B1	04-30-2002	Tan, et al.	
		US- 6,392,699 B1	05-21-2002	Acharya	
		US- 6,449,380 B1	09-10-2002	Acharya, et al.	
		US- 6,535,648 B1	03-18-2003	Acharya	
		US-			
		US-			

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application No.	09/823,390
		Filing Date	March 30, 2001
		First Named Inventor	Tinku Acharya
		Art Unit	2811
		Examiner Name	To Be Determined
Total Number of Pages in This Submission	106	Attorney Docket Number	42390P11277

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	<div style="border: 1px solid black; padding: 5px;">Copies of 94 Cited References; and Return Receipt Postcard</div>
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s)	
<input checked="" type="checkbox"/> PTO/SB/08		
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Basic Filing Fee		
<input type="checkbox"/> Declaration/POA		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Farzad E. Amini, Reg. No. 42,261 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	October 22, 2003

CERTIFICATE OF MAILING/TRANSMISSION

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Signature	
Date	October 22, 2003

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SEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

Application Number	09/823,390
Filing Date	March 30, 2001
First Named Inventor	Tinku Acharya
Examiner Name	To Be Determined
Group/Art Unit	2811
Attorney Docket No.	42390p11277

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account

Deposit Account Number **02-2666**

Deposit Account Name **Blakely, Sokoloff, Taylor & Zafman LLP**

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid		
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	60	Provisional filing fee	
SUBTOTAL (1)		(\$)			

2. EXTRA CLAIM FEES

Total Claims	Independent Claims	Extra Claims	Fee from below	Fee Paid
		20**	=	
		3	=	

Large Entity	Small Entity	Fee Description	Fee Paid		
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	66	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple Dependent claim, if not paid	
1204	66	2204	43	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)		(\$)			

**or number previously paid, if greater. For Reissues, see below

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid		
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
2053	130	2053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920 *	1804	920 *	Requesting publication of SIR prior to Examiner action	
1805	1,840 *	1805	1,840 *	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	1,210	2255	605	Extension for reply within fifth month	
1404	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	1809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

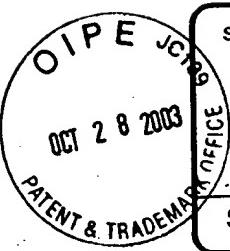
SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Farzad E. Amini	Registration No. (Attorney/Agent)	42,261	Telephone	(310) 207-3800
Signature		Date	10/22/03		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 3 of 4

Complete if Known

Application Number	09/823,390
Filing Date	March 30, 2001
First Named Inventor	Tinku Acharya
Art Unit	2811
Examiner Name	To Be Determined
Attorney Docket Number	042390.P11277

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Acharya, "A MEMORY BASED VLST ARCHITECTURE FOR IMAGE COMPRESSION" Application No. 08/885,415, Filing Date 6/03/97, Atty Docket No. 042390.P4425, No. Pgs. 37.
		Bawolek, et al., "INFARED CORRECTION SYSTEM", Application No. 09/126,203, Filing Date 7/30/98, Atty Docket No. 042390.P6172, No Pgs 23.
		Päzminö, et al., "METHOD OF COMPRESSING AND/OR DECOMPRESSING A DATA SET USING SIGNIFICANCE MAPPING", Application No. 09/151,336, Filing Date 9/11/98, Atty Docket No. 042390.P6391, No Pgs. 25.
		Tan, et al., "REDUCTION OF RINGING ARTIFACTS AFTER DECOMPRESSION OF A DWT-BASED COMPRESSED IMAGE", Application No. 09/165,511, Filing Date 10/2/98, Atty Docket No. 042390.P6220, No. Pgs. 20.
		Tan, et al., "ROBUST SEQUENTIAL APPROACH IN DETECTING DEFECTIVE PIXELS WITHIN AN IMAGE SENSOR", Application No. 09/191,310, Filing Date 10/13/98, Atty Docket No. 042390.P6575, No. Pgs. 35.
		Acharya, et al., "COLOR INTERPOLATION FOR A FOUR COLOR MOSAIC PATTERN", Application No. 09/197,836, Filing Date 11/24/98, Atty Docket No. 042390.P6376, No. Pgs. 26.
		Acharya, "ENHANCING IMAGE COMPRESSION PERFORMANCE BY MORPHOLOGICAL PROCESSING", Application No. 09/297,810, Filing Date 4/14/99, Atty Docket No. 042390.P6878, No Pgs. 30.
		Tan, et al., "USING AN ELECTRONIC CAMERA TO BUILD A FILE CONTAINING TEXT", Application No. 09/301,753, Filing Date 4/29/99, Atty Docket No. 042390.P5742, No. Pgs. 21.
		Tsai, et al., "METHOD AND APPARATUS FOR ADAPTIVELY SHARPENING AN IMAGE", Application No. 09/320,192, Filing Date 5/26/99, Atty Docket No. 042390.P6452, No. Pgs. 29.
		Tan, et al., "METHOD AND APPARATUS FOR ADAPTIVELY SHARPENING LOCAL IMAGE CONTENT OF AN IMAGE", Application No. 09/328,935, Filing Date 6/9/99, Atty Docket No. 042390.P7125, No Pgs. 29.
		Tan, et al., "A HARDWARE EFFICIENT WAVELET-BASED VIDEO COMPRESSION SCHEME", Application No. 042390.P6529, Filing Date 6/29/99, Atty Docket No. 042390.P6529, No Pgs. 32.
		Acharya, et al., "MODEL-BASED VIDEO IMAGE CODING", Application No. 09/608,991, Filing Date 6/30/00, Atty Docket No. 042390.P8764, No. Pgs 36.
		Acharya, et al., "IMAGE PROCESSING METHOD AND APPARATUS", Application No. 09/359,523, Filing Date 7/23/99, Atty Docket No. 042390.P7323, No. Pgs 16.
		Tan, et al., "A METHODOLOGY FOR COLOR CORRECTION WITH NOISE REGULATION", Application No. 09/359,831, Filing Date 7/23/99, Atty Docket No. 042390.P7320, No. Pgs. 29.

Examiner
Signature

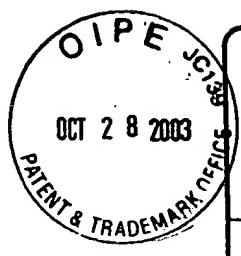
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		Acharya, "DISCRETE FILTER", Application No. 09/432,337, Filing Date 9/2/99, Atty Docket No. 042390.P7626, No Pgs. 22.
		Acharya, et al., "ZEROTREE ENCODING OF WAVELET DATA", Application No. 09/390,255, Filing Date 9/3/99, Atty Docket No. 042390.P7057, No. Pgs. 25.
		Acharya, et al., "A FUZZY BASED THRESHOLDING TECHNIQUE FOR IMAGE SEGMENTATION", Application No. 09/393,136, Filing Date 9/10/99, Atty Docket No. 042390.P7114, No Pgs. 28.
		Acharya, et al., "A FUZZY DISTINCTION BASED THRESHOLDING TECHNIQUE FOR IMAGE SEGMENTATION", Application No. 09/393,017, Filing Date 9/10/99, Atty Docket No. 042390.P7115, No Pgs. 29.
		Acharya, "VIDEO MOTION ESTIMATION", Application No. 09/406,032, Filing Date 9/27/99, Atty Docket No. 042390.P7330, No Pgs. 24.
		Acharya, et al., "METHOD OF COMPRESSING A COLOR IMAGE", Application No. 09/411,697, Filing Date 10/1/99, Atty Docket No. 042390.P7463, No Pgs. 26.
		Acharya, et al., "METHOD OF INTERPOLATING COLOR PIXEL SIGNALS FROM A SUBSAMPLED COLOR IMAGE", Application No. 09/410,800, Filing Date 10/1/99, Atty Docket No. 042390.P7331, No Pgs. 20.
		Acharya, et al., "SQUARE ROOT RAISED COSINE SYMMETRIC FILTER FOR MOBILE TELECOMMUNICATIONS", Application No. 09/429,058, Filing Date 10/29/99, Atty Docket No. 042390.P7629, No. Pgs. 26.
		Acharya, et al., "INDEXING WAVELET COMPRESSED VIDEO FOR EFFICIENT DATA HANDLING", Application No. 09/438,091, Filing Date 11/10/99, Atty Docket No. 042390.P6454, No Pgs 29.
		Metz, et al., "IMAGE PROCESSING ARCHITECTURE", Application No. 09/473,643, Filing Date 11/18/99, Atty Docket No 042390.P8050, No Pgs. 15.
		Acharya, "METHOD OF UPSCALING A COLOR IMAGE", Application No. 09/461,080, Filing Date 12/14/99, Atty Docket No 042390.P7489, No Pgs. 22.
		Acharya, "METHOD OF CONVERTING A SUB-SAMPLED COLOR IMAGE", Application No. 09/461,068, Filing Date 12/14/99, Atty Docket No. 042390.P7490, No Pgs 22.
		Acharya, et al., "CHIP RATE SELECTABLE SQUARE ROOT RAISED COSINE FILTER FOR MOBILE TELECOMMUNICATIONS", Application No. 09/467,487, Filing Date 12/20/99, Atty Docket No. 042390.P8026, No Pgs 44.
		Miao, et al., "DUAL MODE FILTER FOR MOBILE TELECOMMUNICATIONS", Application No. 09/467,611, Filing Date 12/20/99, Atty Docket No 042390.P8027, No Pgs 49.

Examiner
Signature

Date
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		Acharya, "A BLOCK-MATCHING ALGORITHM FOR COLOR INTERPOLATION", Application No.09/494,087, Filing Date 1/28/00, Atty Docket No. 042390.P5090D, No Pgs 35.	
		Acharya, et al., "A METHOD OF INVERSE QUANTIZING SIGNALS SAMPLES OF AN IMAGE DURING IMAGE DECOMPRESSION", Application No. 09/507,213, Filing Date 2/18/00, No Pgs. 32.	
		Acharya, et al., "A METHOD OF QUANTIZING SIGNAL SAMPLES OF AN IMAGE DURING IMAGE COMPRESSION", Application No 09/507,399, Filing Date 2/18/00, Atty Docket No. 042390.P7135, No. Pgs 24.	
		Acharya, et al., "METHOD OF INTERGRATING A WATERMARK INTO AN IMAGE" Application No. 09/519,874, Filing Date 3/6/00, Atty Docket No 042390.P7136. No Pgs 27.	
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		Acharya, et al., "METHOD OF COMPRESSING AN IMAGE", Application No. 09/597,354, Filing Date 6/19/00, Atty Docket No. 042390.P8760, No Pgs 23.	
		Acharya, et al., "METHOD OF VIDEO CODING THE MOVEMENT OF A HUMAN FACE FROM A SEQUENCE OF IMAGES", Application No. 09/608,989, Filing Date 6/30/00, Atty Docket No. 042390.P8762, No Pgs. 25.	
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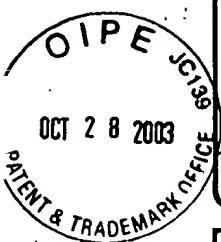
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

Complete if Known

Application Number	09/823,390
Filing Date	March 30, 2001
First Named Inventor	Tinku Acharya
Art Unit	2811
Examiner Name	To Be Determined
Attorney Docket Number	042390.P11277

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Acharya, et al., "A METHOD OF PERFORMING HUFFMAN DECODING", Application No. 09/704,380, Filing Date 10/31/00, Atty Docket No. 042390.P9820, No Pgs 26.
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		Acharya, et al., "IMAGING DEVICE CONNECTED TO PROCESSOR-BASED SYSTEM USING HIGH-BANDWIDTH BUS", Application No 09/726,773, Filing Date 11/29/00, Atty Docket No 042390.P10274, No Pgs 31.
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